



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Provide Policy Direction Regarding Acceptance of Winery Wastewater at White Slough Water Pollution Control Facility from Outside City Limits

MEETING DATE: June 5, 2002

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council authorize the Public Works Director to accept winery wastewater from outside the city limits and establish limits and charges per the Municipal Code.

BACKGROUND INFORMATION: In 2001, the City received requests (3) from local wineries requesting that the City accept trucked-in winery waste at its White Slough Water Pollution Control Facility. While staff responded positively to the first two requests on an interim-only basis, we

learned that wineries were also requesting a commitment for long-term service in order to obtain building permits from San Joaquin County. In previous years, the County allowed wineries to develop with septic or other land disposal systems. More recently, the State Regional Water Quality Board has asserted its authority in requiring State permits in these cases. The County now requires wineries to obtain these permits before they approve building permits, or, the applicant can provide storage and furnish a letter from a public agency (or other permitted disposal facility) accepting the waste that would be hauled in.

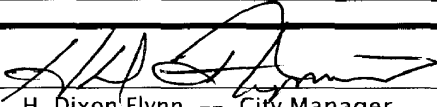
Recognizing numerous issues that could be raised, and that the issue would eventually be heard by the Council, City staff worked with County and wine industry officials to raise awareness of the issues and seek possible solutions. This work culminated in a meeting held on April 26, 2002, at Carnegie Forum. The meeting was called by County Supervisor Jack Sieglock and included comments and presentations by Mr. Sieglock, Mayor Phil Pennino, Mark Chandler of the Lodi/Woodbridge Winegrape Commission, Wendy Wyels of the Regional Board staff, Donna Heran with San Joaquin County Environmental Health, Kerry Sullivan with San Joaquin County Planning, Tom Flinn with San Joaquin County Public Works, and Richard Prima representing City staff.

The City's presentation included a description of the White Slough Facility and our current efforts to improve the Facility to meet our new discharge permit requirements. We also presented the results of an analysis performed by our wastewater treatment consultants, West Yost Associates, on the ability of the City's domestic treatment system to handle an estimated quantity of winery waste.

The meeting was attended by nearly 40 interested growers and winery producers. Following the formal presentations, there was a lively question and comment period. The results of the meeting and other research by City staff are summarized below:

1. The County has adopted an ordinance regulating wineries, which classifies them according to volume of wine produced (boutique, up to 3,600 gallons/yr.; small, up to 36,000 gallons/yr.; medium, up to 100,000 gallons/yr.; and large, over 100,000 gallons/yr.). Due to costs and logistics, only the two smaller categories are at issue for Lodi.
2. The volume and strength of winery waste varies considerably, both in terms of time of the year, which relate to various winery operations, and, most importantly for this issue with Lodi, the characteristics of small and boutique wineries is different than larger facilities from which most data is available. Estimates for wastewater production range from 2.5 to 5 gallons per gallon of wine produced.

APPROVED: _____


H. Dixon Flynn -- City Manager

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3. The wine industry is working on this issue in a number of ways. One is to develop a standard permit for the Lodi area. One facility, the Olde Lockeford Winery, is developing a treatment system for its tenants and is planning to accept waste from other small and boutique wineries. Thus, solutions involving the City may be temporary.
4. The City's White Slough Facility has two systems which could be utilized to treat winery waste. The "industrial" system consists mainly of cannery flows and is applied to land for crop irrigation. The cannery has indicated that this year and for the next few years, their flows should be reduced since they have moved tomato processing to another facility. However, they have notified the City that they wish to "reserve" capacity for future operations. Also, while this system would be the most economical, it may not be practical to use during winter months and our permit will need to be modified to accept this waste. In either case, some pretreatment will likely be necessary.

The other system is the "domestic" system which receives full treatment and the effluent is either discharged to the Delta or applied to land for irrigation. The analysis of the treatment system to handle an assumed quantity of winery wastewater (representing 7 boutique and 7 small wineries) concluded:

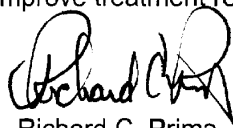
"In general, the estimated winery waste discharge loadings represent less than one percent of the influent BOD loading to the WPCF during peak month and day conditions. The resulting effect on the air demands, as simulated by the BioWin model, is therefore minor. Consequently, the estimated winery waste discharge loadings are not anticipated to have a major impact on the WPCF. However, the WPCF already appears to be regularly exceeding its firm aeration capacity during cold weather conditions and occasionally exceeding its total aeration capacity. Additional loads will increase the frequency at which the aeration demands exceed the capacity of the plant's aeration system. This will have the effect of reducing the reliability of the secondary treatment process and the plant's ability to meet its discharge requirements."

5. The above analysis also pointed out the City's practice of accepting septic tank waste actually has a greater impact on the domestic system than the estimated quantity and quality of winery waste.

Protecting the City's wastewater treatment facility and avoiding discharge permit violations is certainly a high priority. Clearly, avoiding winery waste (and septic waste) would be preferable and staff would readily recommend not accepting such waste if there were reasonable alternatives readily available. However, in both cases there are very limited alternatives and none are readily available.

If approved, staff will develop policies and procedures to accept winery waste from up to 10 wineries (5 small and 5 boutique or an equivalent mix). The policy will include measures to minimize impact to the WPCF, including monitoring, scheduling of deliveries and use of the industrial system if possible. The number may be increased pending actual flow rates and experience. We will also make similar modifications to our policies on septic waste acceptance. Charges will be calculated based on applicable sections of Chapter 13.12 of the Lodi Municipal Code. Staff will also investigate making interim improvements to the aeration system to improve treatment reliability.

FUNDING: None needed.


Richard C. Prima, Jr.
Public Works Director

RCP/lm

cc: Water/Wastewater Superintendent
Assistant Wastewater Treatment Superintendent
West Yost & Associates
Mailing List

CITY COUNCIL

PHILLIP A. PENNINO, Mayor
SUSAN HITCHCOCK
Mayor Pro Tempore
EMILY HOWARD
KEITH LAND
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CITY OF LODI
PUBLIC WORKS DEPARTMENT

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City Manager
SUSAN J. BLACKSTON
City Clerk
RANDALL A. HAYS
City Attorney
RICHARD C. PRIMA, JR.
Public Works Director

May 29, 2002

Interested Growers and Winery Producers

West Yost & Associates, Inc.
1260 Lake Blvd., #240
Davis, CA 95616

SUBJECT: Provide Policy Direction Regarding Acceptance of Winery Wastewater at
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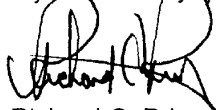
Enclosed is a copy of background information on an item on the City Council
agenda of Wednesday, June 5, 2002. The meeting will be held at 7 p.m. in the
City Council Chamber, Carnegie Forum, 305 West Pine Street.

This item is on the regular calendar for Council discussion. You are welcome to attend.

If you wish to write to the City Council, please address your letter to City Council,
City of Lodi, P. O. Box 3006, Lodi, California, 95241-1910. Be sure to allow time for the
mail. Or, you may hand-deliver the letter to City Hall, 221 West Pine Street.

If you wish to address the Council at the Council Meeting, be sure to fill out a speaker's
card (available at the Carnegie Forum immediately prior to the start of the meeting) and
give it to the City Clerk. If you have any questions about communicating with the
Council, please contact Susan Blackston, City Clerk, at (209) 333-6702.

If you have any questions about the item itself, please call me at (209) 333-6759.



Richard C. Prima, Jr.
Public Works Director

RCP/lm

Enclosure

cc: City Clerk ✓

NCWINERYWASTE

Name	Address	Phone
Charles Spenker	17303 N. Devries Road, Lodi 95242	368-5746
Bettyann Spenker	17303 N. Devries Road, Lodi 95242	367-0467
Craig Rous	11900 N. Furry, Lodi 95240	368-3113
Will Ackel	1434 Arundel Court, Lodi, 95242	368-7004
Mark Chandler	2545 W. Turner Road, Lodi 95242	367-4727
Stuart Spencor	2545 W. Turner Road, Lodi 95242	367-4727
Chris Malone, West Yost & Assoc.	1260 Lake Blvd., Davis	916-756-5905
Bill Stanfield	6100 E. Hwy. 12, Lodi 95240	369-4768
Fred Mettler	6100 E. Hwy. 12, Lodi 95240	369-4768
Glenn O'Dell	4614 West Turner Rd., Lodi	365-2326
Tom Flinn, Director, S.J. County Public Works	1810 E. Hazelton Ave., Stockton 95205	468-3100
Donna Heran, Director, S.J. County Env. Health	304 E. Weber Ave., Stockton 95202	468-3429
Al Olsen, S.J. County Env. Health	304 E. Weber Ave., Stockton 95202	468-3429
Kerry Sullivan, S.J. County Comm. Dev.	1810 E. Hazelton Ave., Stockton 95205	468-3140
Renae Matson	P.O. Box 1171, Woodbridge 95258	366-1254
Terry Dermody, S.J. County Counsel	222 E. Weber Ave., Rm. 711, Stockton 95202	468-2980
Tom Gau, S.J. County Public Works	1810 E. Hazelton Ave., Stockton 95205	468-3101
Steve Borra Sr.	1301 E. Armstrong Rd., Lodi 95242	368-5082
John VanRuiten, Jr.	16981 N. Davis Road, Lodi 95242	333-6233
Erica Moyer, Lodi Dist. Grape Growers Assoc.	P.O. Box 2004, Lodi 95241	339-8246
Mike Phillips	4580 W. Hwy. 12, Lodi 95242	368-7384
Neal Overboe	P.O. Box 171, Clements	759-3617
Andrea J. Maley	549 W. Woodbridge Rd., Lodi 95242	369-2740
Fran Forkas, City of Lodi	221 W. Pine Street, Lodi 95242	333-6740
George Cloud	P.O. Box 656, Woodbridge 95258	
Robert Lawson	1924 Colette St., Lodi 95242	368-9606
Tom McCormack	P.O. Box 1030, Woodbridge 95258	707-374-5586
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Don Litchfield	12470 Locke Rd., Lockeford 95237	727-5770
Steve Carson	1037 Lincoln Ave., Lodi 95240	365-6604
Nick Sikeotis	1973 W. Turner Rd., Lodi 95242	602-6425
Jim Garver	3480 E. Carpenter Rd., Stockton 95215	943-8454
Neal Colwell, ECO:LOGIC Engineering		916-773-8100
John Cotta	5573 W. Woodbridge Road, Lodi 95240	334-0445
Bob Hartzell	9291 E. Harney Lane, Lodi 95240	369-4184

Raymond Borges, S.J. County Env. Health	304 E. Weber Ave., Stockton 95202	468-3284
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Mike Scharer, City of Lodi	221 W. Pine Street, Lodi 95242	333-6749
Emily Howard, Lodi City Council	221 W. Pine Street, Lodi 95242	369-2476
Walt Shoup	7200 E. Peltier Road, Acampo 95220	334-2997
Greg Burns	1973 W. Turner Road, Lodi 95242	481-6951
Craig Thompson	21030 N. Davis Road, Lodi 95242	369-2060
Lance Randolph	P.O. Box 1992, Lodi 95241	367-1305
Rod Atteberry, Neumiller & Beardslee Attnys.	509 W. Weber Ave., Stockton 95201	948-8200
Dan Sroufe, Pacific Coast Producers	32 E. Tokay Street, Lodi 95240	530-533-4311
Mike Smith	P.O. Box 611, Lodi 95241	334-2332
Chip Walker, Neil Anderson & Assoc. Engineer.	22 N. Houston Lane, Lodi 95240	367-3701
Robert A. Nicholson, Neil Anderson & Assoc.	22 N. Houston Lane, Lodi 95240	367-3701
Steve Sinnock, Kjeldsen, Sinnock & Nevdeck	P.O. Box 844, Stockton 95201-0844	946-0268
David Lucas, The Lucas Winery	18196 N. David Rd., Lodi 95242	368-2006